Title (en)

DYNAMIC IMAGE ENCODING DEVICE, DYNAMIC IMAGE ENCODING METHOD, DYNAMIC IMAGE ENCODING PROGRAM, DYNAMIC IMAGE DECODING DEVICE, DYNAMIC IMAGE DECODING METHOD, AND DYNAMIC IMAGE DECODING PROGRAM

Title (de)

EINRICHTUNG, VERFAHREN UND PROGRAMM ZUR DYNAMISCHEN BILDCODIERUNG, EINRICHTUNG, VERFAHREN UND PROGRAMM ZUR DYNAMISCHEN BILDDECODIERUNG

Title (fr)

DISPOSITIF DE CODAGE D'IMAGE DYNAMIQUE, PROCÉDÉ DE CODAGE D'IMAGE DYNAMIQUE, PROGRAMME DE CODAGE D'IMAGE DYNAMIQUE, DISPOSITIF DE DÉCODAGE D'IMAGE DYNAMIQUE, PROCÉDÉ DE DÉCODAGE D'IMAGE DYNAMIQUE ET PROGRAMME DE DÉCODAGE D'IMAGE DYNAMIQUE

Publication

EP 2104358 A4 20160427 (EN)

Application

EP 07832673 A 20071128

Priority

• JP 2007072951 W 20071128
• JP 2006324925 A 20061130

Abstract (en)

[origin: EP2104358A1] The object is to compensate motion at high precision even for an image having different characteristics in the horizontal direction and vertical direction, while decreasing code quantity of filter coefficients when a reference image with the fractional image accuracy is generated using a filter of each frame and is encoded and decoded with compensating motion. A video encoding device 20 which creates a reference image with a fractional pixel accuracy for a video image of a time series of frame images, by using a filter for each frame image, and compensate motion, the video encoding device comprising: a filter information storage unit 203 which stores a filter used for encoding of a frame image in the past; a filter decision unit 202 which selects and decides a filter to be used for encoding of the current frame image from among a plurality of filter candidates including at least the filter stored in the filter information storage unit 203; and a filter information encoding unit 205 which encodes information indicating the decided filter.

IPC 8 full level

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CPC (source: EP KR US)

H04N 19/105 (2014.11 - KR); **H04N 19/117** (2014.11 - EP US); **H04N 19/147** (2014.11 - EP US); **H04N 19/523** (2014.11 - EP US); **H04N 19/53** (2014.11 - EP US); **H04N 19/533** (2014.11 - EP US); **H04N 19/80** (2014.11 - EP KR US)

Citation (search report)

• [X] WO 2006108654 A2 20061019 - UNIV HANNOVER [DE], et al
• [XY] WO 03058945 A2 20030717 - NOKIA CORP [FI], et al
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• [I] WEDI T: "Adaptive interpolation filter for motion compensated prediction", INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP), IEEE, vol. 2, 22 September 2002 (2002-09-22), pages II.509 - II.512, XP002333590, ISBN: 978-0-7803-7622-9
• See references of WO 2008069073A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2104358 A1 20090923; **EP 2104358 A4 20160427**; AU 2007330109 A1 20080612; BR PI0720762 A2 20140121; CA 2671180 A1 20080612; CN 101543081 A 20090923; CN 101543081 B 20120222; CN 102497551 A 20120613; JP 2012142986 A 20120726; JP 4956550 B2 20120620; JP WO2008069073 A1 20100318; KR 20090094343 A 20090904; KR 20110059665 A 20110602; MX 2009005663 A 20090907; RU 2009124928 A 20110110; RU 2011103872 A 20120810; US 2009274216 A1 20091105; US 9014267 B2 20150421; WO 2008069073 A1 20080612

DOCDB simple family (application)

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